

Appendix Table 1-2
Students in grades 4, 8, and 12 scoring at or above main NAEP's proficient level in mathematics for their grade, by student characteristics: 1990–2013

(Percent)

Student grade/characteristic	1990	1992	1996	2000	2003	2005	2007	2009	2011	2013
All students in grade 4	12.7	17.9	20.8	23.8	32.5	36.3	39.4	39.1	40.5	41.8
Sex										
Male	13.2	19.5	21.5	25.9	34.9	38.4	41.5	40.9	41.8	43.0
Female	12.2	16.2	20.0	21.6	29.9	34.2	37.3	37.2	39.1	40.6
Race or ethnicity ^a										
White	15.9	22.4	27.0	31.3	42.9	47.2	50.9	50.7	52.1	53.7
Black	1.1	2.5	3.1	4.7	9.9	12.8	15.4	15.9	17.4	18.2
Hispanic ^b	4.8	5.6	7.2	7.2	15.6	19.5	22.0	21.6	23.9	26.4
Asian or Pacific Islander	22.4	27.7	27.2	S	48.3	54.6	58.4	60.3	62.1	63.5
American Indian or Alaska Native	S	S	10.1	8.2	16.8	20.9	24.8	21.2	22.4	23.5
More than one race	S	S	S	15.9	32.9	40.0	39.6	42.4	45.1	45.7
Free/reduced-price lunch ^c										
Eligible	NA	NA	7.5	7.6	15.2	19.1	21.5	21.7	23.9	25.5
Not eligible	NA	NA	27.5	32.0	44.7	49.4	52.8	53.9	56.7	59.2
Student disability status ^d										
Has a disability	S	S	5.1	6.4	12.6	16.0	19.3	19.1	17.1	17.8
Does not have a disability	S	S	22.1	25.5	34.8	38.8	41.8	41.6	43.4	45.1
English language learner status ^d										
English language learner	S	S	4.2	3.8	9.3	11.4	12.9	12.0	13.8	14.1
Not English language learner	S	S	21.6	25.0	34.7	38.7	42.2	41.9	43.6	44.9



Student grade/characteristic	1990	1992	1996	2000	2003	2005	2007	2009	2011	2013
All students in grade 8	15.3	20.9	23.3	25.7	28.8	29.8	32.2	33.9	34.7	35.5
Sex										
Male	16.8	21.3	24.7	27.4	30.3	31.1	34.2	35.6	35.7	36.3
Female	13.7	20.6	21.8	23.9	27.1	28.4	30.2	32.1	33.7	34.7
Race or ethnicity ^a										
White	18.2	26.0	30.2	33.8	37.5	38.6	41.8	43.6	44.4	45.1
Black	4.7	2.5	3.8	5.2	7.3	8.7	11.0	12.3	13.3	14.3
Hispanic ^b	7.0	6.8	7.8	8.4	11.7	13.4	15.4	17.2	20.3	21.1
Asian or Pacific Islander	28.9	43.3	S	40.6	43.0	47.3	49.6	53.8	55.3	59.8
American Indian or Alaska Native	S	S	S	9.8	14.6	13.9	16.3	18.2	17.1	21.1
More than one race	S	10.7	S	21.5	29.1	30.3	34.8	36.7	39.2	38.0
Parents' highest education										
Did not finish high school	3.3	6.2	7.0	7.6	9.0	10.9	12.2	14.5	14.9	15.8
Graduated high school	8.5	9.9	12.8	14.9	16.7	17.0	18.8	19.2	19.9	19.4
Some education after high school	15.7	20.3	26.0	25.4	27.9	28.2	31.8	32.0	33.3	33.4
Graduated college	23.9	32.8	33.8	38.3	40.2	41.9	44.4	46.9	47.4	48.2
Unknown	4.8	8.9	9.5	9.6	12.5	13.4	14.9	15.8	16.3	17.0
Free/reduced-price lunch ^c										
Eligible	NA	NA	8.5	9.4	12.1	13.4	15.4	16.7	18.8	19.6
Not eligible	NA	NA	28.3	33.7	37.2	38.8	42.1	44.8	47.3	49.0
Student disability status ^d										
Has a disability	S	S	2.6	4.1	6.2	7.2	8.1	9.2	9.2	8.7
Does not have a disability	S	S	24.8	27.3	31.4	32.2	34.5	36.5	37.6	38.9
English language learner status ^d										
English language learner	S	S	1.5	2.0	4.7	5.9	7.0	5.0	5.0	5.3



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Student grade/characteristic	1990	1992	1996	2000	2003	2005	2007	2009	2011	2013
Not English language learner	S	S	23.8	26.4	30.0	31.1	33.7	35.4	36.4	37.0
All students in grade 12	NA	NA	NA	NA	NA	23.0	NA	25.9	NA	25.7
Sex										
Male	NA	NA	NA	NA	NA	25.1	NA	28.3	NA	27.6
Female	NA	NA	NA	NA	NA	21.1	NA	23.5	NA	23.8
Race or ethnicity ^a										
White	NA	NA	NA	NA	NA	28.9	NA	32.7	NA	33.2
Black	NA	NA	NA	NA	NA	5.6	NA	6.2	NA	7.1
Hispanic ^b	NA	NA	NA	NA	NA	8.1	NA	11.0	NA	11.8
Asian or Pacific Islander	NA	NA	NA	NA	NA	36.0	NA	51.8	NA	46.8
American Indian or Alaska Native	NA	NA	NA	NA	NA	6.1	NA	11.6	NA	12.5
More than one race	NA	NA	NA	NA	NA	18.9	NA	28.2	NA	25.7
Parents' highest education										
Did not finish high school	NA	NA	NA	NA	NA	6.9	NA	8.1	NA	9.1
Graduated high school	NA	NA	NA	NA	NA	11.5	NA	13.9	NA	12.2
Some education after high school	NA	NA	NA	NA	NA	18.2	NA	19.0	NA	19.6
Graduated college	NA	NA	NA	NA	NA	34.3	NA	38.0	NA	37.7
Unknown	NA	NA	NA	NA	NA	5.8	NA	7.9	NA	5.6
Free/reduced-price lunch ^c										
Eligible	NA	NA	NA	NA	NA	7.7	NA	10.2	NA	11.4
Not eligible	NA	NA	NA	NA	NA	26.7	NA	31.9	NA	33.7
Student disability status ^d										
Has a disability	NA	NA	NA	NA	NA	4.5	NA	6.6	NA	5.9
Does not have a disability	NA	NA	NA	NA	NA	24.4	NA	27.5	NA	27.7



Student grade/characteristic	1990	1992	1996	2000	2003	2005	2007	2009	2011	2013
English language learner status ^d										
English language learner	NA	NA	NA	NA	NA	3.1	NA	4.0	NA	2.8
Not English language learner	NA	NA	NA	NA	NA	23.8	NA	26.6	NA	26.4

NA = not available. S = suppressed; estimate unreliable.

NAEP = National Assessment of Educational Progress.

^a Other racial and ethnic groups are included in the rows for All students in grade 4, All students in grade 8, and All students in grade 12 but are not shown separately in the table.

^b Hispanic may be any race. American Indian or Alaska Native, Asian, black or African American, Native Hawaiian or Other Pacific Islander, white, and more than one race refer to individuals who are not of Hispanic origin.

^c Information on students' eligibility for free/reduced-price lunch, a measure of family poverty, was first collected in 1996.

^d From 1996 on, students with a disability and English language learners were allowed to use testing accommodation (e.g., extended time, one-on-one testing, bilingual dictionary). More information about testing accommodation is available at <http://nces.ed.gov/nationsreportcard/about/inclusion.asp>.

NOTES: From 1996 on, data shown here are for students allowed to use testing accommodations. Grade 12 mathematics data are presented from 2005, 2009, and 2013 only because the mathematics framework was substantially revised in 2005, making prior assessment results not comparable with those in or after 2005. Mathematics assessment was not conducted in 2007 and 2011 for grade 12.

SOURCE: National Science Foundation, National Center for Science and Engineering Statistics, special tabulations (2014) of main NAEP 1990, 1992, 1996, 2000, 2003, 2005, 2007, 2009, 2011, and 2013 mathematics assessments, National Center for Education Statistics.

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